

Date: Fri, 18 Jun 93 12:00:07 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #748
To: Info-Hams

Info-Hams Digest Fri, 18 Jun 93 Volume 93 : Issue 748

Today's Topics:

Alinco DJ-180 Modifications
Blue Language Repeaters
FT-530 HT coverage expansion mods needed
Handheld 2 meter Question
Mac Morse Software
Need tubes for Nazi field radio (2 msgs)
QST- need QSO's with 10-10 members in N. Dakota and Arkansas
Summary: Making home Ham Friendly
synthesizer conversion help needed!
UN:The ITU phonetic alpha (2 msgs)
US citizen in Europe wanting to earn ham ticket
W1AW code practice freq

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 18 Jun 93 15:57:37 GMT
From: news-mail-gateway@ucsd.edu
Subject: Alinco DJ-180 Modifications
To: info-hams@ucsd.edu

I am interested in obtaining information on any type of modifications for
the DJ-180 HT. Does anyone know of a source of information for
modifications of this radio or has anyone made their own successful
modifications to this radio?

Thanks for your information.

Ken Bridges
KB5VWD

Date: Fri, 18 Jun 1993 17:10:38 GMT
From: news2.acns.nwu.edu!math.ohio-state.edu!uwm.edu!linac!att!cbnewsm!
jeffj@network.UCSD.EDU
Subject: Blue Language Repeaters
To: info-hams@ucsd.edu

In article <C8t9IG.Lxv@hpqmoea.sqf.hp.com> dstock@hpqmoca.sqf.hp.com (David Stockton) writes:

>Bruce Martin (martinbw@jackatak.raider.net) wrote:

>

>: The first time I heard a conversation on 75
>: meters I was appalled. I could not believe the language I was hearing.
>: While I do have a volume knob and an on/off switch; it was too late, I
>: already heard the conversation. Now I can't say that I heard words that I
>: have never heard before but to hear hams using that kind of language on
>: the air was a great surprise and I can only hope these guys are in the
>: minority and someone is out there to gently remind them that this is not
>: proper ham operation and if that doesn't take hold more drastic action be
>: taken.

When I first got into Ham radio I fully expected that 99% of the people would be great and 1% would be idiots. So far I haven't been disappointed as the above quoted text shows. 8-)

73!

Jeff

Jeff Jones AB6MB | OPPOSE THE NORTH AMERICAN FREE TRADE AGREEMENT!
jeffj@seeker.mystic.com | Canada/USA Free Trade cost Canada 400,000 jobs.
Infolinc BBS 415-778-5929 | Want to guess how many we'll lose to Mexico?

Date: Fri, 18 Jun 1993 15:37:02 GMT
From: emba-news.uvm.edu!sadye.emba.uvm.edu!pallack@uunet.uu.net
Subject: FT-530 HT coverage expansion mods needed
To: info-hams@ucsd.edu

Date: 18 Jun 93 10:01:26 CST
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!ux1.cso.uiuc.edu!
moe.ksu.ksu.edu!crcnis1.unl.edu!wupost!kuhub.cc.ukans.edu!parsifal.umkc.edu!
vax1.umkc.edu!kschimmel@decwrl.dec.com
Subject: Handheld 2 meter Question
To: info-hams@ucsd.edu

I interested in getting into a handheld 2meter unit, what should I look
for in such a unit, what are some good brands/models? The only one I have
see in person is the Midland 73005, is it any good? What should they cost?

Thanks,

Karl Schimmel

Date: 17 Jun 93 23:07:27 -0600
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!
news-feed-1.peachnet.edu!umn.edu!noc.msc.net!news.gac.edu!msus1.msus.edu!
TIGGER.STCLOUD.MSUS.EDU!KYLESM@network.
Subject: Mac Morse Software
To: info-hams@ucsd.edu

Hello everyone....

I am looking for some code software for the Macintosh. I have found some on
ftp sites, but none of them seem to work (I am using a Mac IIvx with Sys 7.1)

Does anyone know of some good, system-7 compatible morse tutor programs for
the mac? Shareware/PD is best, but if you know of a good commercial package
that would be OK too, as long as it wasn't too expensive.

73 and TNX,

Kyle Smith N0NYS
KYLESM@TIGGER.STCLOUD.MSUS.EDU

Date: Fri, 18 Jun 1993 15:01:28 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!sdd.hp.com!apollo.hp.com!hpwin052!hpqmoea!
dstock@network.UCSD.EDU
Subject: Need tubes for Nazi field radio
To: info-hams@ucsd.edu

Ok, now that the political correctness stuff is out of the way, it's

time to try to be helpful.

Many of the 1.4v heater receiving valves got pressed into portable radio use after the war. There were quite large collections of new valves left over when old radio repairers retired/moved/went bust. These have been bought up over the years by specialist valve dealers. There has been little demand for the battery set valves as 90-120v batteries made them less popular than mains powered table radios.

There is a British periodical called "Radio Bygones" published by Geoff Arnold (Ex editor of "Practical Wireless") and I would suggest this as a starting point to find dealers or publish a request for help. Geoff will likely try to talk you into sending him details and photos of the radio.

It is easy to tell if a diagram is written in Nazi German, just look for a gothic typeface and heavy use of exclamation marks :-(

Cheers
David

Date: 18 Jun 1993 15:51:48 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!darwin.sura.net!
news.larc.nasa.gov!grissom.larc.nasa.gov!kludge@network.UCSD.EDU
Subject: Need tubes for Nazi field radio
To: info-hams@ucsd.edu

In article <C8toEH.2t6@hpqmoea.sqf.hp.com> dstock@hpqmoca.sqf.hp.com (David Stockton) writes:

>
> Many of the 1.4v heater receiving valves got pressed into portable
>radio use after the war. There were quite large collections of new
>valves left over when old radio repairers retired/moved/went bust. These
>have been bought up over the years by specialist valve dealers. There
>has been little demand for the battery set valves as 90-120v batteries
>made them less popular than mains powered table radios.

May I recommend ESRC, down in Florida? They managed to dig up a bunch of 1J6G tubes for a battery-powered transceiver for me, and charged a reasonable price for them.

--scott

--
"C'est un Nagra. C'est suisse, et tres, tres precis."

Date: Fri, 18 Jun 1993 13:59:29 GMT
From: mentor.cc.purdue.edu!noose.ecn.purdue.edu!dynamo.ecn.purdue.edu!
wb9omc@purdue.edu
Subject: QST- need QSO's with 10-10 members in N. Dakota and Arkansas
To: info-hams@ucsd.edu

Howdy fellow hams....

I'm trying to pin down my 10-10 WAS award, and I have five states left:
Arkansas, North Dakota, Illinois, Michigan and Ohio.

To get those last three I'll probably just have to go mobile, which doesn't appear to be against 10-10's rules for WAS.

Those first two are proving to be a real pain in the butt, however.

Lately, I've been hearing some short(er) skip on 10M (boatloads of Colorado stations, mostly) that should put me right in the money for North Dakota, assuming there's any hams really living there. :-)

(and not just buffalo)

Arkansas? Well, that's a whole other question.

SOOOOOO, we got any 10-10ers out there from N. Dak. or Ark.????? send me some email if you'd like to give this thing a try.....I'd kind of like to get it all wrapped up BEFORE 10M goes completely to shit.

I've done all the other 45 on my barefoot HR2510 (about 10 watts) between 28.3 and 28.5 phone only, so I'd like to keep it that way, FYI.

Duane
WB9OMC/nominally QRP :-)

Date: 18 Jun 93 15:45:45 GMT
From: sdd.hp.com!hpscit.sc.hp.com!icon.rose.hp.com!greg@hplabs.hpl.hp.com
Subject: Summary: Making home Ham Friendly
To: info-hams@ucsd.edu

If you'd like one more...

Measure the length of the GFI runs, and make sure they aren't resonant on any band you care to operate on. Every time I key up CW on 15 meters, the GFI in the bathroom trips :-(. Works fine on 80/40/10.

Greg KD6KGW

Date: Fri, 18 Jun 1993 15:06:08 GMT
From: pa.dec.com!e2big.mko.dec.com!jac.nuo.dec.com!otters.enet.dec.com!
j_otterson@decwrl.dec.com
Subject: synthesizer conversion help needed!
To: info-hams@ucsd.edu

Here is a technical question for the PLL/Frequency Synthesizer wizards who I just know are out there...

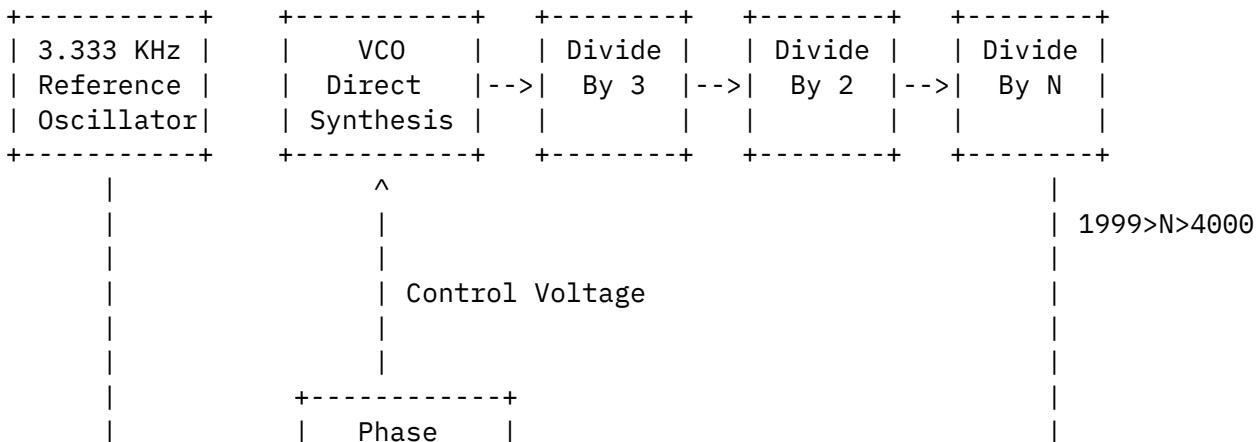
At the Flea last fall, a few folks I know (including myself) bought some Standard Radio C966L VHF Lo-band Mobile Commercial Radios, with the intent of using them on 6. These are 16 channel, 75 watt synthesized rigs, and we all thought it would be "no problem" to convert them for use on 6 meters.

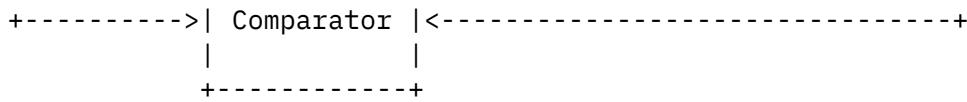
Well, they *do* work on 6, but not on all the channels used by hams. These radios want to have channels on even multiples of 20KHz, i.e. 52.00, 52.02, 52.04, etc. but the 6 meter repeater frequencies are often in *odd* multiples of 20 KHz: 53.59 for example.

So the problem is, how to get the radios to work on either: (A) odd 20KHz channel spacing, or better yet, (B) 10 KHz channel spacing.

PLL Synthesizer Block Diagram and Theory of Operation* (* at least as I understand it...)

The VCO Frequency is the desired frequency plus 10.7 MHz. It is divided by 3, divided by 2, and then divided by factor "N". The result of all these divisions should be 3.333 KHz, the same as the reference oscillator. If it is not 3.333 KHz, the Phase Comparator makes an adjustment to the VCO control voltage to correct it.





I have come up with the idea of removing the divide by 2 stage, and changing the divide by N stage to allow N to be increased by a factor of 2. This would require changing the divide-by-N chip to a part that would allow a larger divisor... The part that is in the radio now is a 14-bit BCD divide by N counter. I could use a 12-bit binary divide by n part, which would give me sufficient range, but I cannot determine if such a part even exists...

Another idea that we have tossed around is to change the transmit offset oscillator, and the 2nd IF oscillator to be 10 KHz below their current values, which would meet (A) above, but not (B).

Does anybody have any ideas?

Thanks. Jeff.

```

-- /-----\
| Jeff Otterson      | The opinions expressed here are   |
| j_otterson@star.enet.dec.com | mine. Noone else should be held   |
| Digital Equipment Corporation | responsible for my actions.       |
| 110 Spit Brook Rd. Nashua, NH | CENSORSHIP IS THE TOOL OF TYRANTS |
\-----/
-----
```

Date: Fri, 18 Jun 1993 16:11:02 GMT
 From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!torn!
 watser2.uwaterloo.ca!watmath!undergrad.math.uwaterloo.ca!awpaeth@network.UCSD.EDU
 Subject: UN:The ITU phonetic alpha
 To: info-hams@ucsd.edu

>Anybody want to continue?

```

>
>TB> a      AESOP      n
>TB> b          o      OEDIPUS
>TB> c          p      pseudo
```

B - Bdellium

/Alan "Eye awl weighs ewes eh spelling chequer!" Paeth
 VE3AWP/KD3XG
 Computer Graphics Lab, University of Waterloo, Ontario, Canada

Date: 18 Jun 93 12:17:44 CDT
From: dog.ee.lbl.gov!hellgate.utah.edu!caen!msuinfo!agate!howland.reston.ans.net!
ux1.cso.uiuc.edu!uchinews!raistlin!timbuk.cray.com!hemlock.cray.com!cherry10!
dadams@network.UCSD.EDU
Subject: UN:The ITU phonetic alpha
To: info-hams@ucsd.edu

the obvious one for "W" is "write" or "written" or "wrong".

David, N0WWN

--David C. Adams Statistician Cray Research Inc. dadams@cray.com
-Sourdough and Ham- - Minnesotans for Global Warming! -
(&gardner)

Date: 18 Jun 93 16:16:33 GMT
From: elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!math.ohio-state.edu!
howland.reston.ans.net!noc.near.net!inmet!bu.edu!dartvax!
Daniel.W.Collison@decwrl.dec.com
Subject: US citizen in Europe wanting to earn ham ticket
To: info-hams@ucsd.edu

I have a friend who is a US citizen living in Europe. He would like to obtain a ham ticket.

1. As a US citizen, is there anyway for him to take the exams (Tech Plus level) in Europe?
2. E.g., any US military based hame clubs in Europe that have VEC's?
3. Could he then use his ticket to operate from Austria or Hungary (where he will be living)? Or does his lack of a US address preclude him from getting a ticket?

Thanks.

Dan Collison N1PNE
Daniel.W.Collison@dartmouth.edu

Date: Fri, 18 Jun 1993 14:59:01 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!ux1.cso.uiuc.edu!

newsrelay.iastate.edu!news.iastate.edu!kenman@network.UCSD.EDU
Subject: W1AW code practice freq
To: info-hams@ucsd.edu

Could someone please e-mail me the freq that W1AW transmits the code practice sessions on? schedule would be nice also.

--
Ken Anderson (Kenman@iastate.edu)
126 Soil Tilt Bldg. (515)294-8996
Iowa State University

Date: Fri, 18 Jun 93 14:44:54 GMT
From: orca!bambam!alan@uunet.uu.net
To: info-hams@ucsd.edu

References <1993Jun17.184333.3458@leland.Stanford.EDU>,
<C8sG43.GDI@cbnewsm.cb.att.com>, <C8tJBM.959@odin.corp.sgi.com>
Subject : Re: Field Day, what are others doing?

In article <C8tJBM.959@odin.corp.sgi.com> adams@chuck.dallas.sgi.com (Charles Adams) writes:

>
>the Dinasour Valley DX Society will be doing QRP from STX again this
>year. NOTE: named several years ago, so no relation to the new movie
>showing at theatres near you. ;-)
>

The Evans & Sutherland Radio Club will be operating from atop the Manti-LaSal ridge, elevation 9100', near Fairview Utah. Look for K6XO 1A Utah on all HF bands (SSB and CW) and 2 meters (FM and SSB). We will also try RS-12 mode K and maybe RS-10 mode A. Good luck.

Alan, K6XO

--
Alan Brubaker, K6XO |~|_ "Pumps have handles, Hams have names;
<IYF disclaimer> | * |mine's Lee, what's yours?" - Lee Wical,
Internet: alan@dsd.es.com|____|KH6BZF, the Bloomin' Zipper Flipper.

Date: Fri, 18 Jun 1993 13:02:22 GMT
From: pravda.sdsc.edu!news.cerf.net!usc!howland.reston.ans.net!darwin.sura.net!
emory!kd4nc!ke4zv!gary@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1vo7di\$bvq@usenet.INS.CWRU.Edu>, <1993Jun17.054345.1622@ke4zv.uucp>, <1vq4jq\$sht@sun.Panix.Com>y
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: Broadcast IDs

In article <1vq4jq\$sht@sun.Panix.Com> kb7uv@panix.com (Andrew Funk) writes:
>In article <1993Jun17.054345.1622@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)
writes:
>>
>>Another oddity, "TV"
>>is part of the legal callsign of a broadcast TV station. They have
>>to say "WXIA-TV Atlanta" not just "WXIA Atlanta" to be legal.
>
>That's when a TV station has a 6-letter callsign, same as 6-letter FM
>callsigns. Examples: WCBS-TV, WCBS-FM.
>
>However, when a TV or FM station has a simple 3 or 4-letter callsign the
>ID is just the callsign -- No "TV" or "FM" added.

Not always. WSB-TV is WSB-TV, not just WSB. The AM station is just WSB. In fact, I don't think I've ever run across a TV station that didn't have TV tacked on to their licensed call. I am aware of several examples of FM stations with no suffix. And I think all AM stations are just 3 or 4 letters. When I worked for WJRR-TV, later WTCG-TV and then WTBS-TV, there were no associated radio stations, yet the TV was there on the license documents. Same for WEHT-TV and WFIE-TV and WTVW-TV. Any examples to the contrary?

Gary

--
Gary Coffman KE4ZV | You make it, | gatech!wa4mei!ke4zv!gary
Destructive Testing Systems | we break it. | uunet!rsiatl!ke4zv!gary
534 Shannon Way | Guaranteed! | emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244 | |

Date: (null)
From: (null)
> o Carefully locate Jumper Pad 13 and remove solder.
> o Carefully locate Jumper Pad 15 and remove solder or 0 Ohm chip resistor.

in the report I had I only removed PAD 15 (or 13 I forgot :-() should I

--
Internet: pallack@wsyd.com James Pallack, N1PEC
FidoNet: 1:325/101.0 P.O. Box 5035

CompuServe: 72636,2123
Data/BBS: 802-453-6074 (1200-9600 HST DS)

Burlington, VT 05402-5035
Voice: 802-453-6073

Date: Fri, 18 Jun 1993 00:08:50 EST
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
To: info-hams@ucsd.edu

References <HIDE.G.93Jun15171803@spsd630a.erim.org>, <1vnk7m\$nup@senator-bedfellow.MIT.EDU>, <1vo09k\$etd@usenet.rpi.edu>.ans
Subject : Re: Broadcast IDs

maessm@rpi.edu writes:

> In article <1vnk7m\$nup@senator-bedfellow.MIT.EDU>, cthomas@athena.mit.edu (Mi
> chael T Ford) writes:
> |> The reg. is once per hour. And the format is: freq, call, loc.
> |> There are certain variants on that. Examples of an ID are:
>
> I believe that the order of freq., call, loc. is not fixed. You can do it
> in any order, as long as you include all three

True, as long as those three bits of info are included, you're legal.
And it is only required once an hour (Like I said, +/- 5 minutes).

How do I know this?

1985-1987 WDOM DJ - OTA Person
1992-1993 WALE Talk Show Co-host

> |> The town has to be where the transmitter is. (Or control studio,
> |> don't remember which.) In case this is a small town, you'll hear
>
> I've heard both. WRPI, the campus radio station here at RPI, ID's as being i
> n
> Troy, even though their transmitter is in East Greenbush. At home, WHTZ, one
> of the top-40 stations in the New York City area, ID's as being in New York
> City (their antenna is on the Empire State Building), even though their studi
> os
> are in East Rutherford, New Jersey.

If I remember right, you can ID as either where your studios are, or
where your transmitter is. I remember at WALE the studios are in
Providence, but the xmtr is in Burrilville (about 25 miles north) and we
always ID'd as Providence.

Tony Pelliccio kd1nr/ae
!!*!*!*!*!*!*!*!*!*!*
system@garlic.sbs.com

"Usenet is like a herd of performing elephants with diarrhea -- massive, difficult to redirect, awe-inspiring, entertaining, and a source of mind-boggling amounts of excrement when you least expect it." --spaf (1992)

Date: Fri, 18 Jun 1993 17:17:05 GMT
From: csus.edu!netcom.com!wa2ise@decwrl.dec.com
To: info-hams@ucsd.edu

References <1vnevs\$nv9@moe.ksu.ksu.edu>, <1vqgme\$gp4@techbook.techbook.com>, <18JUN199306383715@nssdca.gsfc.nasa.gov>csus.e
Subject : Re: Are we losing our technical abilities?

I know some people who grew up in mainland China, and they told stories of literally building from scratch radios and TV sets and actually winding flyback transformers, deflection yoke coils, using bamboo wrapped in aluminium foil for antenna rods, and such. How many American hams have actually wound their own power transformers? We BUY that stuff when we homebrew. We are just operating at a somewhat higher level. Then there are the people who construct the packet networks. In their work, radios and TNCs are considered parts, like the more traditional homebrewer thinks of resistors and capacitors.

And there are the emergency preparedness and public service guys who use radios and antennas as just parts for the work they want to do.

I personally have leaned more on the homebrew side more than the public service area (I used to build radios and stuff, but don't have time for that anymore). Most of my hamming is on packet BBSs anyway anymore.

Is it true that CBers are allowed to homebrew antennas? You could maybe get some technically inclined CBer hooked on homebrewing with antenna work, then say, You can't mess with your CB radio legally (type acceptance issues), but just study this book, and get the Tech ham license, and we can mess with lots of different kinds of transmitting stuff.

Date: 18 Jun 1993 14:03:16 GMT
From: usc!news.bbn.com!levin@network.UCSD.EDU
To: info-hams@ucsd.edu

References <60.11731.4727.ON17AE52@canrem.com>, <1993Jun17.214408.14791@bnr.ca>,

<C8szx8.Gsw@news.Hawaii.Edu>
Subject : Re: UN:The ITU phonetic alpha

Forgot one for "P":

Ptomaine

/J

End of Info-Hams Digest V93 #748
